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NOTICE OF ALLOWANCE AND FEE(S) DUE

24504

7590

07/09/2009

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 600 GALLERIA PARKWAY, S.E. STE 1500 ATLANTA, GA 30339-5994

EXAMINER					
CHAWAN, SHEELA C					
ART UNIT PAPER NUMBER					

2624 DATE MAILED: 07/09/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575.775	03/20/2007	Ron Daniel	820908-1010	3803

TITLE OF INVENTION: DEVICE FOR SCANNING THREE-DIMENSIONAL OBJECTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/09/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further	correspondence including ed below or directed oth	ng the Patent, advance or	rders and notification of 1	maintenance fees wi	ll be mailed to the currer	should be completed where nt correspondence address as parate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				e: A certificate of m (s) Transmittal. This ers. Each additional e its own certificate o	nailing can only be used certificate cannot be used paper, such as an assignm of mailing or transmission	for domestic mailings of the for any other accompanying nent or formal drawing, must	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 600 GALLERIA PARKWAY, S.E.				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimil transmitted to the USPTO (571) 273-2885, on the date indicated below.			
ATLANTA, GA	30339-5994					(Depositor's name)	
						(Signature)	
						(Date)	
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10/575,775	03/20/2007	•	Ron Daniel	•	820908-1010	3803	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/09/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]			
CHAWAN,	SHEELA C	2624	382-154000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			2. For printing on the p (1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or a 2 registered patent atto- listed, no name will be	o 3 registered patent vely, le firm (having as a ragent) and the names orneys or agents. If no	attorneys 1 member a 2 s of up to		
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	oatent. If an assigned assignment. Y and STATE OR CC	DUNTRY)	document has been filed for	
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual L Cor	poration or other private g	roup entity Government	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 D. Payment of Fee(s): (Ples A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo 	rd. Form PTO-2038 y authorized to charg	is attached. e the required fee(s), any o	,	
5. Change in Entity Sta	tus (from status indicate s SMALL ENTITY statu		☐ b. Applicant is no lon	ger claiming SMALI	L ENTITY status. See 37 (CFR 1.27(g)(2).	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than t Office.	the applicant; a regist	tered attorney or agent; or	the assignee or other party in	
Authorized Signature				Date			
Typed or printed name				Registration No)		
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	'Irginia 22313-1430. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the ONOT SEND FEES OR	on is required to obtain or 1 1.14. This collection is est depending upon the indive e Chief Information Office COMPLETED FORMS TO	retain a benefit by the timated to take 12 m vidual case. Any con er, U.S. Patent and T O THIS ADDRESS.	e public which is to file (a inutes to complete, includ inments on the amount of 'rademark Office, U.S. De SEND TO: Commissione	nd by the USPTO to process) ing gathering, preparing, and time you require to complete partment of Commerce, P.O. r for Patents, P.O. Box 1450,	

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24504 75	90 07/09/2009		EXAMINER		
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP			CHAWAN, SHEELA C		
600 GALLERIA P	ARKWAY, S.E.		ART UNIT	PAPER NUMBER	
STE 1500 ATLANTA, GA 30	0339-5994		2624		
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 288 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 288 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/575,775	DANIEL, RON	
Notice of Allowability	Examiner	Art Unit	
	CHEELA C. CHAMAN	2024	
	SHEELA C. CHAWAN	2624	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate communicements. This application is su	his application. If not included ication will be mailed in due course.	THIS initiative
1. This communication is responsive to 4/28/09.			
2. The allowed claim(s) is/are <u>1-6</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	e been received. e been received in Application	No	ı the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requiremen	nts
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Review	PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or i	n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			•
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Info	rmal Patent Application	
 Notice of References Cited (PTO-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview Sur	• •	
,	Paper No./M	ail Date	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	/. ∐ Examiner's A	mendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		tatement of Reasons for Allowance	
	9. ☐ Other		
/Sheela C Chawan/ Primary Examiner, Art Unit 2624			

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on 4/28/09 has been entered.

Claims 1-6, are pending in the application.

In response to Oath/Declaration applicant has provide citizenship of an inventor.

Reasons For Allowance

2. The following is an examiner's statement of reasons for allowance:

Claims 1-6 are allowed.

The present invention is directed to a scanning system for constructing a three-dimensional model of an object, the scanning system comprising, among other things, "a scanning template member having a known two-dimensional template, and a processing means to generate data to enable construction of a three-dimensional model of an object placed between the scanning device and the scanning template, the processing means being arranged, when in use, to generate information about the object relative to the scanning template, this information being generated from the same image onto which the projected light is projected by the emitter". The closest prior art to Shibata et al. (US 5,848,188) disclose a shape measuring device for measuring a three-dimensional shape of an object by using optical means in a non-contact fashion, and more particularly to a shape measuring device which can perform stable measurement by using a rotating mirror rotating at a high speed. The closest prior art to Mengel et al. (US 6,373,557 B1) disclose a method and apparatus for generating three-dimensional range images of spatial

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objects, wherein a short-time illumination of the object is performed, for instance using laser diodes. An image sensor is used that has a high light sensitivity, pixel resolution and can be read out randomly, this sensor also having an integration time that can be adjusted for each pixel. By evaluating the backscattered laser pulses in two integration windows with different integration times and by averaging over several laser pulses, three- dimensional range images can be picked up with a high reliability in, for example, 5 ms at the most. Sato et al. (US 4,794,262) discloses a method and apparatus for measuring profile of three-dimensional object, as commonly included in each of the independent claim 1 and 4, the prior art of record fails to teach either singularly or in combination, fails to anticipate or render the above limitations obvious.

3. Any comments considered necessary by applicant must be submitted on later than the payment of the issue fee and to avoid processing delays should preferably accompany the issue fee. Such submissions should be clearly labeled, comments on statement of reasons for allowance.

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Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela C Chawan whose telephone number is. 571-272-7446. The examiner can normally be reached on Monday - Friday 8.30 am - 5.00 pm and every Wednesday work from home. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikkram Bali can be reached on 571-272-7415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sheela C Chawan/

7/3/09

Primary Examiner, Art Unit 2624

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